In the Claims

Please cancel claims 1 and 2.

Please amend Claim 3 as follows:

1.   (canceled)

2.   (cancelled)

3.   (currently amended) ~~The method of Claim 2, wherein generating the weighted average comprises:~~ A method for interpolating a pixel value for a blank pixel location in a field from an interlaced video stream, the method comprising:

selecting a boundary pixel grouping comprising common-field pixel pair comprising a common-field pixel and a cross-field pixel pair comprising a cross-field pixel, wherein both the common-field pixel pair and the cross-field pixel pair surround the blank pixel location.~~;~~

generating a weighted average from the boundary pixel grouping by:

multiplying a luminance of a bottom pixel in the common-field pixel pair by a weighting coefficient to generate a first interpolated portion;

multiplying a first cross-field luminance value by a complement of the weighting coefficient to generate a second interpolated portion, wherein the first cross-field luminance value is based on a luminance value of the cross-field pixel; and

adding the first interpolated portion to the second interpolated portion to generate the weighted ~~average.~~ average; and

assigning the weighted average to the blank pixel
location.

4.   (Original) The method of Claim 3, wherein the first
cross-field luminance value is equal to the luminance value of
the cross-field pixel, and wherein the cross-field pixel
comprises a leading pixel in the cross-field pixel pair.

5.   (Original) The method of Claim 3, wherein the first
cross-field luminance value is equal to the luminance value of
the cross-field pixel, and wherein the cross-field pixel
comprises a trailing pixel in the cross-field pixel pair.

6.   (Original) The method of Claim 3, wherein the cross-
field pixel comprises a leading pixel in the cross-field pixel
pair, wherein the cross-field pixel pair further comprises a
trailing pixel, and wherein the first cross-field luminance
value is equal to an average of the luminance value of the
cross-field pixel and a luminance value of the trailing pixel.

7.   (Original) The method of Claim 3, wherein the
weighting coefficient is between 0 and 0.5.

8.   (Original) The method of Claim 3, further comprising:
        multiplying a luminance of a top pixel in the common-
    field pixel pair by the complement of the weighting
    coefficient to generate a first adjustment portion;
        multiplying a second cross-field luminance value by
    the weighting coefficient to generate a second adjustment
    portion, wherein the second cross-field luminance value is
    based on a luminance value of the cross-field pixel;

adding the first adjustment portion to the second adjustment portion to generate a modified luminance value; and

replacing the luminance of the top pixel with the modified luminance value.

9.   (Original) The method of Claim 8, wherein the second cross-field luminance value is equal to the luminance value of the cross-field pixel, and wherein the cross-field pixel comprises a leading pixel in the cross-field pixel pair.

10.   (Original) The method of Claim 8, wherein the second cross-field luminance value is equal to the luminance value of the cross-field pixel, and wherein the cross-field pixel comprises a trailing pixel in the cross-field pixel pair.

11.   (Original) The method of Claim 8, wherein the cross-field pixel comprises a leading pixel in the cross-field pixel pair, wherein the cross-field pixel pair further comprises a trailing pixel, and wherein the second cross-field luminance value is equal to an average of the luminance value of the cross-field pixel and a luminance value of the trailing pixel.